No. 9500255

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

University of Georgia Research Foundation, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR EPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR CKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT Y THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN TED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF EED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF TH 84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'GA-Stuckey'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of Washington, D.C. this twenty-ninth day of December in the year of our Lord one thousand nine hundred and ninety-five.*

Attest:

Marsha A. Stanton
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Dan Glickman
Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions.* FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
University of Georgia Research Foundation, Inc.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
GA83228-1

3. VARIETY NAME
GA-Stuckey

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
Boyd Graduate Studies Research Center, 6th Floor
D.W. Brooks Drive
Athens, Georgia 30602-7411

5. TELEPHONE *(include area code)*
(706) 542-5929

6. FAX *(include area code)*
(706) 542-5638

FOR OFFICIAL USE ONLY

PVPO NUMBER
9500255

FILING DATE
JULY 11, 1995

FEES RECEIVED
FILING AND EXAMINATION FEE:
$2325.00 & #125.00
DATE
07/11/95 & 08/17/95

CERTIFICATION FEE:
$300.00
DATE
NOVEMBER 17, 1995

7. GENUS AND SPECIES NAME
Triticum aestivum

8. FAMILY NAME *(Botanical)*
Gramineae

9. CROP KIND NAME *(Common name)*
Wheat, common

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.) (Common name)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Georgia

12. DATE OF INCORPORATION
November 17, 1978

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
Janice A. Kimpel
University of Georgia Research Foundation, Inc.
Boyd Graduate Studies Research Center, 6th Floor
Athens, Georgia 30602-7411

14. TELEPHONE *(include area code)*
(706) 542-5929

15. FAX *(include area code)*
(706) 542-5638

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow instructions on reverse)*

a. [X] Exhibit A. Origin and Breeding History of the Variety
b. [X] Exhibit B. Statement of Distinctness
c. [X] Exhibit C. Objective Description of the Variety
d. [X] Exhibit D. Additional Description of the Variety
e. [X] Exhibit E. Statement of the Basis of the Applicant's Ownership
f. [X] Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)*
g. [X] Filing and Examination Fee ($2,460), made payable to "Treasurer of the United States" *(Mail to PVPO)*

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)?*
[X] YES *(If "yes," answer items 18 and 19 below)* [ ] NO *(If "no," go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
[X] YES [ ] NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
[X] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
[X] YES *(If "yes," give names of countries and dates)* [ ] NO
U.S. 10/13/94

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT *(Owner(s))*		SIGNATURE OF APPLICANT *(Owner(s))*	
Joe L. Key			
NAME *(Please print or type)*		NAME *(Please print or type)*	
Joe L. Key			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Executive Vice President	6/30/95		

Exhibit A

Origin and Breeding History of GA-Stuckey

'GA-Stuckey', a soft red winter wheat (Triticum aestivum L.) was developed at the University of Georgia Agricultural Experiment Station in cooperation with the USDA-ARS and released in 1994. GA-Stuckey was derived from a double cross in 1983: MD 73055/GA 73-1-2-5//'Coker 797'/'Caldwell'. It was named to honor Dr. Stuckey, the former Resident Director of the Georgia Station, Griffin. The cultivar was developed using a modified pedigree method of breeding. Individual spike selections were made for leaf rust, powdery mildew, and Hessian fly resistances and agronomic traits in the F2, F3, F4, and F5 generations at Griffin, GA. GA-Stuckey is the progeny of five rows bulked together after selection from 100 head rows in the F7 generation. Breeder seed, produced in 1994 is the F11 generation.

GA-Stuckey was evaluated for agronomic performance as GA 83228-1 in breeding nursery plots in 1990 (1 rep at 2 locations) and 1991 (4 reps at 3 locations), in state trials at five locations in 1992 thru 1994, and in the Uniform Southern Soft Red Winter Wheat Nursery at about 30 locations in 1993.

GA-Stuckey is a early maturing, short-statured at maturity, white chaffed, awnletted, and characterized by intermediate straw strength with high yield potential. During 3 yr (five locations yr-1) in Georgia, GA-Stuckey and 'GA-Andy' yielded an average of 4018 and 3999 kg ha-1, respectively. It is 1 day later than GA-Andy in maturity, and has similar test weight. Milling and baking quality characteristics of GA-Stuckey are rated as excellent for soft red winter wheat use by the USDA-Soft Wheat Quality Laboratory, Wooster, OH.

GA-Stuckey is resistant to biotypes Hessian fly (Mayetiola destructor (Say)) present in Georgia, and resistant to current races of leaf rust and powdery mildew caused by Puccinia recondita (Roberge ex Desmaz), and Erysiphe graminis DC. f. sp. tritici Em. Marchal.

GA-Stuckey has been observed for six generations in the field. It has proven to be uniform and stable, showing a small amount of variant types, consisting of 1/10,000 tall types and 1/25,000 awned types.

Breeder seed of GA-Stuckey will be maintained by the Georgia Agricultural Experiment Station, University of Georgia, Georgia Station, Griffin, GA 30223-1797.

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Exhibit B

Novelty Statement

GA-Stuckey is a soft red winter wheat, awnletted, and white chaffed. It is most similar in appearance to Coker 9835, but differs in that it is 3 days earlier in heading than Coker 9835 and is resistant to Hessian fly GP and C but susceptible to E in seedling test, whereas Coker 9835 is resistant to all three biotypes (GP, C, and E). GA-Stuckey is resistant to prevalent races of stem rust (TNMK, RKQS and QFBS) with genes Sr 6, 17 and 36, whereas Coker 9835 is susceptible to these races (TNMK, RKQS AND QFBS) with genes 17. GA-Stuckey is suceptible to all leaf rust races (TBGL, BGDL MCBL, TDBL, PBMG, TLGG, TDJQ, TFBL, LBBQ, PQMQ) in the differential set (total 10) in the seedling stage, whereas Coker 9835 expresses resistant to 9 out of the 10 races (TBGL, BGDL MCABL TDBL, PBMG TDJQ, TFBL LBBQ, PQMQ).

FORM APPROVED: OMB NO. 0581-0055

EXHIBIT C (Wheat)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
COMMODITIES SCIENTIFIC SUPPORT DIVISION
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
University of Georgia Research Foundation, Inc.

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
Boyd Graduate Studies Bldg.
University of Georgia
Athens, GA 30602

FOR OFFICIAL USE ONLY
PVPO NUMBER 9500255

VARIETY NAME OR TEMPORARY DESIGNATION
GA-Stuckey

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:
[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:
[2] 1 = SPRING 2 = WINTER 3 = OTHER (*Specify*) _____ [1] 1 = SOFT 2 = HARD 3 = OTHER (*Specify*) _____

[2] 1 = WHITE 2 = RED 3 = OTHER (*Specify*) _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:
[1][3][0] FIRST FLOWERING [1][3][5] LAST FLOWERING

4. MATURITY (*50% Flowering*):
[0][3] NO. OF DAYS *EARLIER* THAN ..... [7] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 7 = Coker 9835
[ ][ ] NO. OF DAYS *LATER* THAN ..... [ ] 4 = LEMHI 5 = NUGAINES 6 = LEEDS

5. PLANT HEIGHT (*From soil level to top of head*):
[0][8][1] CM. HIGH

[0][2] CM. TALLER THAN ..... [7] 7 = Coker 9835
[ ][ ] CM. SHORTER THAN ..... [ ] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

6. PLANT COLOR AT BOOTING (*See reverse*):
[1] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:
[1] 1 = YELLOW 2 = PURPLE

8. STEM:
[2] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom: 1 = ABSENT 2 = PRESENT
[2] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT
[2] Internodes: 1 = HOLLOW 2 = SOLID
[0][4] NO. OF NODES (*Originating from node above ground*)
[1][3] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[1] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:
[2] Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER (*Specify*): _____
[1] Flag leaf: 1 = NOT TWISTED 2 = TWISTED
[ ] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
[1][4] MM. LEAF WIDTH (*First leaf below flag leaf*)
[1][8] CM. LEAF LENGTH (*First leaf below flag leaf*):

9500255

11. HEAD:

[3] Density: 1 = LAX 2 = DENSE 3 = middense

[1] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (Specify) _____

[3] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[1] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER (Specify): _____

[0][8] CM. LENGTH [1][3] MM. WIDTH

12. GLUMES AT MATURITY:

[2] Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.) 3 = LONG (CA. 9 mm.)

[3] Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.) 3 = WIDE (CA. 4 mm.)

[2] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

[1] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[ ] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[ ] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[2] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[1] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[1] Brush. 1 = SHORT 2 = MEDIUM 3 = LONG

[1] Brush: 1 = NOT COLLARED 2 = COLLARED

[ ] Phenol reaction (See instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

[3] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____

[0][6] MM. LENGTH [0][3] MM. WIDTH [3][4] GM. PER 1000 SEEDS

17. SEED CREASE:

[1] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

[2] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[2] STEM RUST (Races) TNMH, QFBS, RKQS

[1] LEAF RUST (Races) TBGL, BGDL, MCBL, TDBL, PBMG, TLGG, TDJQ, TFBL, LBBQ, PQMQ

[0] STRIPE RUST (Races) _____

[0] LOOSE SMUT

[2] POWDERY MILDEW

[0] BUNT

[ ] OTHER (Specify) _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] SAWFLY [0] APHID (Bydv.) [0] GREEN BUG [0] CEREAL LEAF BEETLE

[ ] OTHER (Specify) _____

HESSIAN FLY RACES: [2] GP [0] A [1] B [2] C [1] D [1] E [0] F [0] G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Coker 9835	Seed size	Coker 9835
Leaf size	Coker 9835	Seed shape	Coker 9835
Leaf color	Coker 9835	Coleoptile elongation	
Leaf carriage	Coker 9835	Seedling pigmentation	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

Exhibit D

Additional Description of GA-Stuckey

GA-Stuckey is a common soft red winter wheat, Triticum aestivum L. bred and developed by the University of Georgia, Georgia Agricultural Experiment Station at the Georgia Experiment Station, Griffin, Georgia.

GA-Stuckey is early maturity, short stature at maturity although it is similar in height to Coker 9835, it normally is more susceptible to lodging. GA-Stuckey has a lower vernalization requirement than Coker 9835 and does well when seeded in the latter portion of the recommended planting period. Additional information is available in the application for approval form which is included.

Information on the milling and baking quality characteristics is also included in a quality report.

Table 1. Average performance of GA 83228 and check cultivars at Plains, GA in 1989.

Entry	Grain Yield Bu/A	Test Wt. lbs/bu	Quality Score	Leaf Rust	Powdery Mildew
GA 83228	67.3ab*	56	C**	0†	1†
FL 303	52.5c	57	A	0	3
GA 100	75.2a	56	B	1	2

* Means followed by the same letter are not significantly different at the 5% level.

**Milling and baking scores where A-C is acceptable quality and D-F is unacceptable, tested by Soft Wheat Quality Lab.

† Rated on percent leaf area infected (0-9) where 0-3 is classified as resistant and 7-9 as susceptible.

Table 2. Average performance of GA 83228 and check cultivars at Midville and Plains in 1990.

Entry	Grain Yield Bu/A	Test Wt. lbs/bu	Date Headed	Height in[2]	Quality Score	Leaf Rust %[1]
GA 83228	78.2a*	57.1	3/20	28	C**	0a†
FL 303	66.3b	55.1	3/20	32	B	1a
GA 100	73.9ab	53.7	3/27	35	B	9b

*,**,†,See Table 1.

[1]Plains only

[2]Midville only

Table 3. Average yield performance of GA 83228 and check cultivars in Georgia's evaluation trials over 2 years (1992-1993) at three locations.

Entry	Location			Average
	Tifton	Plains	Midville	
GA 83228	47.9a*	62.3a	57.4a	54.1a
GA Andy	41.1a	61.5a	59.7a	51.4a
FL 304	44.6a	54.2b	55.4a	55.9a

*, See Table 1.

Table 4. Average yield performance of GA 83228 and check cultivars in Georgia's evaluation trials over 2 years (1993-1994) at three locations.

Entry	Location			Average
	Tifton	Plains	Midville	
GA 83228	41.3b*	56.7a	58.2b	52.1a
GA Andy	41.1b	56.3a	65.9a	54.4a
FL 304	51.2a	54.9a	56.9b	54.3a

*, See Table 1.

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Seedling reaction of entries of the 1993 Uniform Southern Soft Red Red Winter Wheat Performance Nursery to selected isolates of Puccinia graminis f. sp. tritici. (D.V. McVey, USDA-ARS, Cereal Rust Laboratory, U. of Minnesota, St. Paul, MN. 55108)

No.	Line	Isolates							Sr* Gene
		QFBS	QSHS	RKQS	RPQQ	RTQQ	TNMH	TNMK	
1.	FL 302	;1	S	1N	0	1N	0;	0	6,10
2.	Saluda	S	S	S	S	S	S	S	None
3.	Coker 9835	23	;1	S	XN	XN	;1	S	17,+
4.	AR 2641A	2-	S	23C	23C	S	32	23	+
5.	AR 2641B	2	S	S	S	S	2-	2	9b
6.	SC 850236	S	S	S	S	S	S	S	None
7.	AL 881060	2	2=	2=	0	0	0	2=	17,24
8.	MD 80004-62	S	S	23CN	2C	S	S	S	+
9.	GA 85238-C5-AB5-4	;1	2=	0;	0	0;	2=	2=	10,24
10.	GA 85238C5-AB3-3	0,2=	2=	2=	1	;1-N	2=	2=	10,24
11.	GA 83125-C5221	X	;1	S	XCN	XN	S	S	10,+
12.	GA 83228-1	0	0	0	0;	0	0	;1	6,17,36
13.	TX 85-264	1N	S	;1N	0	1N	S	S	10
14.	ABI 88D-1903	2	S	S	;1-N	0;	0;	2-	9b,17
15.	SC 87-196	S	S	S	0;	;1N	0	S	17
16.	MD 80071-56	S	S	S	0,S	0,S	S	S	seg17
17.	TN 84-613	0	0	S	0;	0	S	S	10,36
18.	TN 85-455	1N	S	;1	0	01N	S	S	10
19.	TX 86-106H	1CN	23	0	0	0	S	2	10,+
20.	TX 82-11	S	S	S	XN	XN	1N	S	17
21.	TX 89D2148	2	S	S	0,S	0,S	S	S	seg10
22.	TX 89D6435	;1	2=	2=	0	0	0;	2=	17,Amigo
23.	GA 84438	2=	2=	2=	2=	2=	2=	2=	24
24.	GA 831127	S	S	S	S	S	S	S	None
25.	VA 90-52-26	2=	2=	2=	2=	2=	2=	2=	31
26.	VA92-52-52	S	S	S	S	S	2=	S	?
27.	ABI 90*8369	2=	2=	2-	2=	2=	2=	2=	24
28.	ABI 90-8050	2-	0	S	0	0	0	X	17,36,+
29.	ABI 90*8284	0;	0	0,S	0	0,S	0.S	0;,S	36,seg6,17
30.	L890682	S	S	S	S	S	S	S	None
31.	L890714	2=	2=	0;	0	0	0	2=	17,24
32.	FL 8150-J9-K1	2=	2=	2=	2=	2=	2=	2=	24
33.	FL 85238-G76	;1N	2-	;1N	0	1N	2-,S	2-,S	10,seg9a
34.	FL 85238-G3-G2	2=	2=	2=	0	1	0	2=	17,24

*Reaction types are: 0; equal mostly no evidence of infection, with some hypersensitive flecks, ; equal mostly hypersensitive flecks, ;c equal flecks with some chlorosis, ;1 equal flecks with some very small pustules, ;1c equal flecks with some very small pustules and chlorosis, 2 = equal small to medium pustules, 3 and 4 are susceptible pustule types. The predominant reaction type is always listed first.

Table 5. Average performance of GA 83228 and check cultivars over 2 years (1993 and 1994) at 3 locations.

Entry	Test Wt. lbs/bu	Lodging %[1]	Date Headed[2]	Leaf Rust[3]
GA 83228	55.5	19	4/4	1a
GA Andy	55.7	9	4/3	5b
FL 304	57.4	12	4/8	0a

†, See Table 1

[1]Average Tifton, Plains, and Midville

[2]Tifton and Plains only

[3]Plains only

Table 6. Evaluations of GA 83228 and check cultivars for Hessian fly resistance, Plains, 1993 and 1994.

Entry	Infested tillers(%) 1993	Infested tillers(%) 1994	Number of larvae/tillers 1993	Number of larvae/tillers 1994	Rating
GA 83228	0a*	0a	0.0a	0.0a	R
GA Andy	0a	0a	0.0a	0.0a	R
Verne	50b	23b	1.4b	0.4b	S

*,See Table 1.

Table 7. Average performance of GA 83228 and three cultivars in the Uniform Southern Wheat Nursery (29 locations in 1993).

Entry	Grain Yield (Bu/A)	Test Wt. (Lbs/Bu)	Date Headed	Lodging	Powdery Mildew[1]	Leaf Rust[2]
GA 83228	62.0ab*	54.9	106.6	2†	0a†	1a†
FL 302	58.5bc	53.8	109.4	1	2a	7b
Saluda	54.5c	56.3	110.3	3	7b	6b
C 9835	65.8a	55.4	109.4		3a	1a

*,See Table 1.

[1]Griffin, GA; Florence, SC; and Warsaw, VA.

[2]Griffin, GA; Baton Rouge, LA; Florence, SC; and Warsaw, VA.

Seedling reaction of entries of the 1992-1993 Uniform Southern Soft Red Winter Wheat Performance Nursery to selected isolates of Puccinia recondita f.sp. tritici (D. L. Long, USDA-ARS, Cereal Rust Laboratory, 1551 Lindig St., St. Paul, MN. 55108)

No.	Cultivar or line	Reactions produced by NA race *										Postulated Seedling Lr genes **
		TBGL	BGDL	MCBL	TDBL	PBMG	TLGG	TDJQ	TFBL	LBBQ	PQMQ	
1	Fla 302	3	3	3	3	;1c	;	3	3	3	3	10**
2	Saluda	3	;1c	;1c2	;3	;1c2	3	3	;1c1	;1c	;1c2	11
3	CK 9835	;	;	;	;	;	;3	;	;	;	;	+
4	AR 26413A	3	;	;1c	;3	;1c	3;	3	;1c	;1c2	;1c	11,+
5	AR 26413B	;	;	;	;	;	3	;	;	;	3	9,+
6	SC 850236	3c;	;	;1c-3	;3	3	;1c-3	3	3	3	3	1,+
7	AL 881060	;	;	;	3;	;	;	;-3	3	;	;	24
8	MD 80004-62	3	3	3	3	3	3	3	3	3	3	0
9	GA 85238-C5-AB5-4	;	;	;	;	;	;	;	;1c	;	;	+
10	GA 85238-C5-AB3-3	;	;	;	;	;	;	;	;	;	;	+
11	GA 83125-C5221	;	;	;	;1c	;3	;3	31c;	;2	;1c2	;1c2	18,+
12	GA 83228-1	3	3	3	3	3	3	3	3	3;	3	0
13	TX 85-264	3	3	3	3	3	3	3	3	3	3	0
14	ABI 88D-1903	;1c	;	;1c2	;	3	3	3	;1c	3	3	18
15	SC 870196	3	3;	3	3	3	3	3	3	3	3;	+
16	MD 80071-56	;1	;	;1c	;1c	3	3	3	1c1	3	3	18,+
17	TN 84-613	3	;	;	3	;	3	3	3	;	;	2a,+
18	TN 85-455	3	3	3	3	3	3	3	3	3	3	0
19	TX 86-106H	3	3	3	3	;	;	3	3	3	3	10
20	TX 82-11	;	;	;	;	;	3	;	;	;	;1c	2a,9
21	TX 89D2148	;1c2	;	;1c2	;1c2	;	3	3	;1c	;1c	;1c	11,18
22	TX 89D6435	;	-	;1c	;1c	;	;	;	3	;	;1c	24,26
23	GA 84438	;	-	;	;1c3	;	;	;	3	;	;	24,26
24	GA 831127	;1c	;	;1c	;1c	;-2	3	;2	;1c1	;1c1	;1c	9,11,18
25	VA 90-52-26	;	;	3;	;3	;	;	;	3;	;1c	;1c	26,+
26	VA 92-52-52	3	;	;1c	;3	;1c	3	3	;1c	;1c	;2	11
27	ABI 90-8369	;	;	;	;3	;	;	;1c2	3	;	;	24,26
28	ABI 90-8050	3	;1c	3	3	3	1c;	;2	3;	3;	3;	+
29	ABI 90-8284	3;	;1c	;1c	;3	;1c	;	3	3;	3	3	10,18,+
30	L890682	;1c	;	;1c	;3	;1c	3	3	;1c1	;1c2	;1c2	11,18
31	L890714	;	;	;	;3	;	;	;	3	;	;	24,26
32	FL 8150-J9-K1	;	;	;	;	;	;	;	;1c	;	;	+
33	FL85238-G76	;-3	;	;-3	;3	;	;	;-3	3;	;	;	+
34	FL 85238-G3-G2	;	;	;1c	;1c	;	;	;	;	;	;	+

*Single genes tested = 1,2a,2c,3,3ka,9,10,11,16,17,18,24,26,30

Virulence formula:

TBGL = 1,2a,2c,3,10,11
BGDL = 10,16,17
MCBL = 1,3,10,26
TDBL = 1,2a,2c,3,10,24
PBMG = 1,2c,3,3ka,18,30
TLGG = 1,2a,2c,3,9,11,18
TDJQ = 1,2a,2c,3,10,11,17,18,24
TFBL = 1,2a,2c,3,10,24,26
LBBQ = 1,10,18
PQMQ = 1,2c,3,3ka,9,10,16,18,30

**0=no gene(s) detected with these *Lr* virulence combinations; +=*Lr* gene (s) present but unable to identify with these *Lr* virulence combinations.

DATA RANKED ACCORDING TO COMBINED QUALITY SCORE

ADVANCED NURSERY EVALUATION

FOR SOFT WHEAT MILLING AND BAKING QUALITY

1993 CROP

UNIFORM SOUTHERN NURSERY

(NORTH)

STD = #1742, SALUDA

LAB NO.		ENTRY	MILLING QUALITY SCORE	BAKING QUALITY SCORE	COMBINED QUALITY SCORE	MICRO T.W. LB/BU	SOFT. EQUIV.	FLOUR YIELD	FLOUR PROT.	MICRO AWRC	COOKIE DIAM.	TOP GR.
****		BENCHMARK	106.9 A	108.7 A	106.9 A	61.04	61.4	75.1	7.87	52.9	17.95	7
1754	14	ABI88D-1903	105 A	106.1 A	105 A	60.6	58.6	71.1 *	7.93	57.8	17.22	4
1743	3	COKER 9835	103.8 A	103.1 A	103.1 A	57.5 *	62.1	70.4	7.96	62.3	17.17	2
1764	24	GA831127	102.2 A	102.5 A	102.2 A	60.6	58.2	70.3	8.93	58.1	16.83	2
1741	1	FLORIDA 302	101.9 A	103.2 A	101.9 A	58.1	55.4 *	72	8.57	55.2	17.39	4
1768	28	ABI90-8050	101.1 A	104.3 A	101.1 A	57.6 *	56.7 *	70.6 **	9.75 *	56.4	17.19	2
1763	23	GA84438	101.1 A	101.1 A	101.1 A	59.1	53.5 Q	71.5	8.85	57.4	16.96	1
1759	19	TX86-106H	101 A	101.4 A	101 A	57.2 *	56.3 *	70.6 Q	8.70	56	16.86	2
1742	2	SALUDA	100 A	100 A	100 A	58.6	60.1	69.6	8.58	60.7	16.75	1
****		STANDARD	100 A	100 A	100 A	58.6	60.1	69.6	8.58	60.7	16.75	1
1766	26	VA90-52-52	99.89 B	100.2 A	99.89 B	59.1	58.3	69.8 Q	8.94	59.4	16.72	1
1747	7	AL881060	99.78 B	99.01 B	99.01 B	59.6	50.9 Q	71	9.24	55.3	17.11	2
1774	34	FL85238-G3-G2	98.24 B	100.5 A	98.24 B	59.2	52.6 Q	70.3	9.03	55.2	17.07	3
1761	21	TX89D2148	100.4 A	97.91 B	97.91 B	58.9	57.4	70.1	8.77	59.7	16.66	1
1757	17	TN84-613	97.76 B	105.2 A	97.76 B	57.2 *	57.6	69.6	8.93	59.6	17.21	2
1753	13	TX85-264	96.53 B	102.8 A	96.53 B	56.6 Q	60.6	68.9	8.22	61.6	16.95	3
1746	6	SC850236	98.02 B	96.26 B	96.26 B	59	56.3 *	69.7	8.81	59.6	16.63	2
1769	29	ABI90*8284	96.08 B	101.1 A	96.08 B	58.3	53.2 Q	69.7 **	8.57	55.4	17.05	2
1760	20	TX82-11	95.9 B	105.7 A	95.9 B	56.7 Q	58.1	69.1	8.48	59.1	17.4	3
1745	5	AR26413B	95.71 B	103.4 A	95.71 B	56.3 Q	55.7 *	69.5	9.43 *	58.6	17.13	2
1770	30	L890682	100.7 A	95.22 B	95.22 B	60	56.3 *	70.2 Q	8.97	60.3	16.65	1
1755	15	SC870196	94.57 C	96.9 B	94.57 C	59.3	51.6 Q	69.5	9.88 *	55.8	16.85	2
1773	33	FL85238-G76	99.8 B	94.37 C	94.37 C	61.8	49.4 Q	71.3	9.36 *	54.9	16.83	3
1772	32	FL8150-J9-K5	93.62 C	104.9 A	93.62 C	55.8 Q	57.2	68.8	8.54	54.6	17.21	3
1751	11	GA83125-C5221	96.35 B	93.6 C	93.6 C	60	45.1 Q	72.5	9.79 *	56.2	17.16	4
1750	10	GA85238-C5-AB3-3	93.5 C	93.75 C	93.5 C	57.8 *	51.6 Q	69.4	9.99 Q	55.7	16.71	0
1778	38	PIOXW504	91.81 C	100.3 A	91.81 C	57.6 *	52.3 Q	68.9	8.73	55.1	17.04	2
1775	35	VA88-52-69	91.65 C	97.75 B	91.65 C	58.4	55 *	68.4 *	8.95	58.7	16.75	1
1776	36	GA801226-12	91.3 C	103.3 A	91.3 C	59	55.6 *	68.1 *	9.29 *	57.3	17.2	2
1744	4	AR26413A	90.34 C	103.2 A	90.34 C	59	56.1 *	67.8 *	9.10	59.9	17.16	2

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1993 CROP

UNIFORM SOUTHERN NURSERY
(NORTH)

STD = #1742, SALUDA

LAB NO.		ENTRY	MILLING QUALITY SCORE	BAKING QUALITY SCORE	COMBINED QUALITY SCORE	MICRO T.W. LB/BU	SOFT. EQUIV.	FLOUR YIELD	FLOUR PROT.	MICRO AWRC	COOKIE DIAM.	TOP GR.
1767	27	ABI90*8369	93.54 C	89.51 D	89.51 D	59	48.5 Q	69.8 **	8.60	57.4	16.65	2
1756	16	MD80071-56	88.22 D	100.2 A	88.22 D	57.6 *	52.2 Q	68	9.10	58.3	17.08	1
1752	12	GA83228-1	87.52 D	89.03 D	87.52 D	57.7 *	52.6 Q	67.8	9.48 *	58.5	16.46 *	1
1749	9	GA85238-C5-AB5-4	88.09 D	85.72 D	85.72 D	57 Q	49.7 Q	68.4	10.19 Q	55.7	16.43 *	1
1771	31	L890714	86.57 D	82.82 E	82.82 E	58.5	51.3 Q	67.7 *	9.23	61.1	16.39 *	0
1777	37	TX85-121-2	91.65 C	82.66 E	82.66 E	60.1	47.6 Q	69.3	10.87 Q	56.4	16.38 *	1
1748	8	MD80004-62	93.69 C	77.5 F	77.5 F	58.7	44.5 Q	70.5 *	8.44	60.4	16.36 *	1
1765	25	VA90-52-26	87.48 D	68.16 F	68.16 F	58.6	45.4 Q	68.8	9.20	61.4	16.01 Q	1
1762	22	TX89D6435	81.41 E	59.14 F	59.14 F	54 Q	53.3 Q	66.6	10.13 Q	65.5 Q	15.72 Q	0
1758	18	TN85-455	56.68 F	100.9 A	56.68 F	60.2	52.9 Q	59.8	9.15	54.7	16.98	3

Exhibit E
Statement of Applicant's Ownership

The variety for which plant variety protection is hereby sought is owned by the University of Georgia Research Foundation, Inc. (UGARF).

Ownership by UGARF in the variety for which plant variety protection is hereby sought is based on the Patent Policy approved by the Board of Regents of the University System of Georgia on June 9, 1982, in which the Board of Regents assigned to The University of Georgia Research Foundation, Inc. all rights in intellectual property developed or created by employees at The University of Georgia, one of the universities of the University System of Georgia. Rights in novel plant varieties developed at The University of Georgia, including "GA-Stuckey", are covered by said Patent Policy. As employees of The University of Georgia, Jerry W. Johnson Barry M. Cunfer, and G. David Buntin, pursuant to said Patent Policy, have assigned their rights in "GA-Stuckey" to the University of Georgia Research Foundation, Inc.